

**ARMATURE OF FLAT MOTOR**

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Priority Number(s):  
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EC Classification:  
Equivalents:

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**Abstract**

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**PURPOSE:** To increase the magnetic flux density and to increase a rotary force by bonding magnetic material split plates to the opposed surfaces of permanent magnets of a plurality of armature coils, and bonding a magnetic disk over the entire coil on the surfaces of opposite side.

**CONSTITUTION:** In a flat motor in which a flat armature 2 and a permanent magnet 4 are opposed through an axial air gap, a plurality of armature coils 34 are formed by winding conductive wires or foils 33 on a core 9. A split plate 35 made of a magnetic material is bonded at each coil 34 on the surface of the side opposed to the magnet 4 of the coil 34. Further, a magnetic material disk 36 is bonded over the entire coil on the surface of the coil 34 of opposite side to form a magnetic circuit. Thus, since an air gap between motor cases 6 and 7 is displaced from the magnetic circuit, a floating magnetic flux can be reduced.

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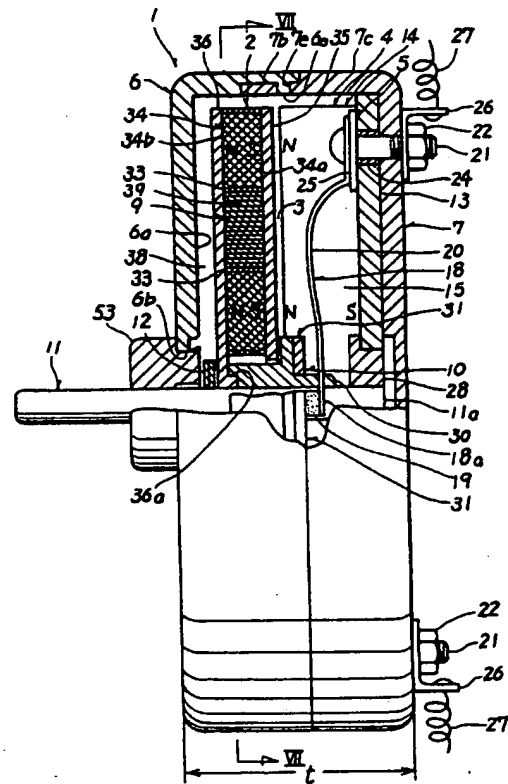
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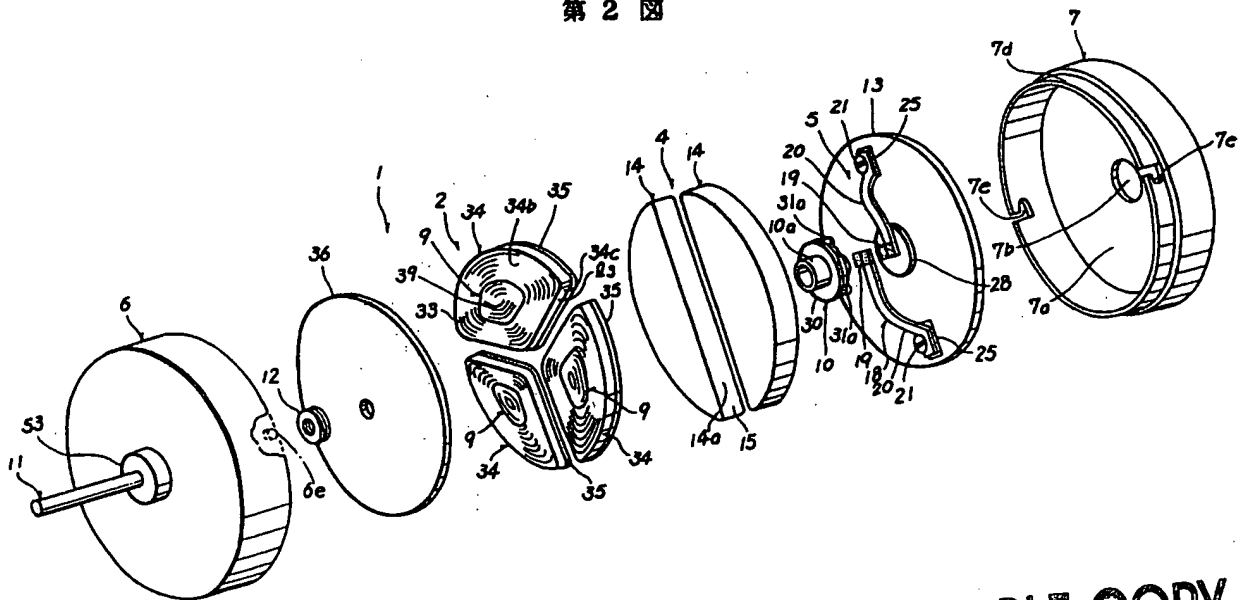
第 1 図

ップ、4 は界磁用永久磁石、9 は鉄心、33 は導  
電線又は導電箔、34 は電機子コイル、34 a は  
表面、34 b は裏面、35 は分割板、36 は円板  
である。

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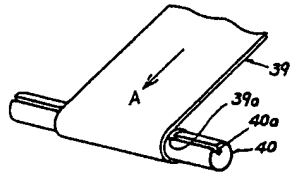
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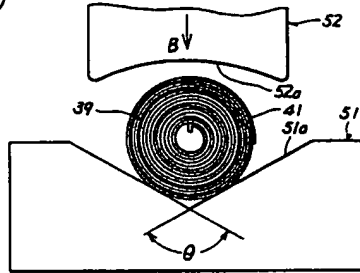
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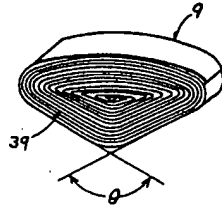
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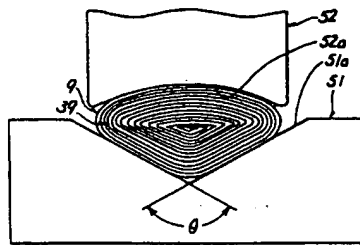
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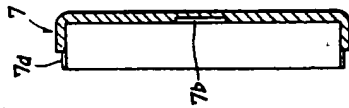
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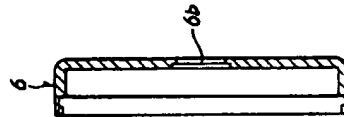
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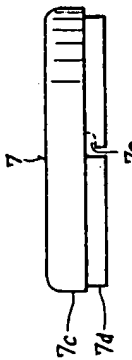
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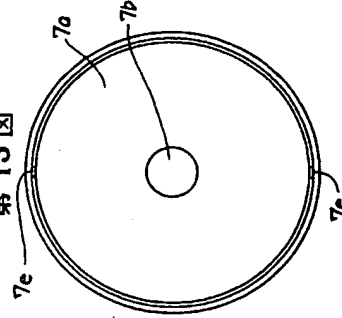
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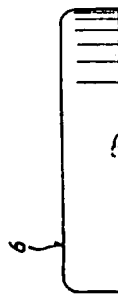
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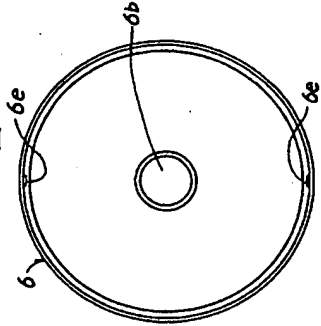
第 13 図



第 17 図



第 16 図



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